BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for Development of Park at Hegadenagara in Ward No.06 Byatarayanapura Sub Division.

								Estimate Cost Rs.	500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	Cum							
	For Ground Surface		1	40.00	18.00	0.20	140.40		
	For Flat Form		6	2.50	2.50	0.30	11.25		
							151.65	96.48	**14631.00**
	Basic Rate	82.00							
	Add 11% Ad-Hoc	9.02							
		91.02							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
16	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**151.65**		
							151.65	81.16	**12308.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2015-16 (P.118/I.17.1) For	68.00							
	Total	**73.12**							
	Add 11% Ad-Hoc	8.04							
		81.16							
6	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	**cum**							
			6	2.50	2.50	0.15	5.63		
							5.63	6214.80	**34958.00**
	Basic Rate	5282.00							
	Add 11% Ad-Hoc	581.02							
		5863.02							
	Area Weightage @ 6%	351.78							
	Total	**6214.80**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
			6	2.50	2.50	0.10	3.75		
							3.75	7072.54	**26522.00**
	Basic Rate	6011.00							
	Add 11% Ad-Hoc	661.21							
		6672.21							
	Area Weightage @ 6%	400.33							
	Total	**7072.54**							
	Providing and laying /fixing cement base. Precast, pre polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treds of steps and landing, laid on bed of 12mm thick cement mortal 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting griding the eges to half/full round wherever required. Labour, curing complet as per specification. Page No. 117/ Item No. 14.62 / PWD SR 2016-17	Sqm							
			6	2.50	2.50		37.50	1276.61	**47873.00**
	Basic Rate	1085.00							
	Add 11% Ad-Hoc	119.35							
		1204.35							
	Area Weightage @ 6%	72.26							
	Total	**1276.61**							
14	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm							
			6X2	2.50		0.40	12.00		
			6X2	2.50		0.40	12.00		
							24.00	1102.47	**26459.00**
	Basic Rate	937.00							
	Add 11% Ad-Hoc	103.07							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		1040.07							
	Area Weightage @ 6%	62.40							
	Total	**1102.47**							
5	Supply and fixing granite benches to the parks	**Nos**	6				**6.00**	10550.00	**63300.00**
	BBMP Approved Rate	**10550.00**							
1	Providing Children Play **Two Seater Standard SWing Equipment**: This sWing' consist of 2 Nos. seats of solid metal seats powder coated of Size-500mmx 250mm x 16 SWG supported by MS chains of Length 1.8mtrs, each seat is suspended by 1 line of chain. The chains are supported by circular housingswith bearing from which the chain in suspended. The beam is of 50mm MS tAt class pipe. Size of MS • chain 30mm x 20mm x 5mm thick, the length of the main beam is 2.40 mtrs and No. 1 24800.00 25300.00 28400.00 24000.00 -263.00.00 *·Lowestheight 2.00mtrs. The 2 Nos of cost iron-heads. Four footing are in 42mm pipes. All pipes are of ISI grade. All the pipes are painted with two coats of superset paint over a coat of protective Zinc chromate yellow oxide including fiXing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift. loading. unloading and any other incidental charges and as per the drawing and specification and directionof the Engineerin chargeof the work.. 2lp	No.							
			2				**2**	24000.00	**48000.00**
2	2lprovldlng Children Play Standard **See Saw Seater Equipment:** This equipmentis made up of main beam 50mmMS pipe tAt class of length 1.98 mtr.-With two handles welded at the ends as a hand are made of 20mm tA' class pipe. The main beam is pivoted to the'bottomsupports of 40mm MS pipes by bush bearing clamped by pivot' 1 1 ,.. 1 1 **joints which swivel over 28mm Dia steel shaft. which gets installed in the ground byl ' 'I 14900.00 15800.00 14000.00 .1 11800.00 'I 16200.00 I ** Lowestmeans of concrete, 2 nos. seats are made of 250mm x 200mm x 18 SWG MS-No. sheets with T hand rest at the front. Air pipes are of ISI grade. All the pipes'are . ~ painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equlpments in CC 1:2:4. curing etc., complete with all lead, lift, loading, unloading and any other incidentalcharge$·:8nd as per the draWing and specification and directionof the Engineerin charge of								
			1				**1**	14000.00	**14000.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Providing Children Play **Merry-Go-Round Equipment:** Made of MS. 'A' class pipes. Main pillars are in 100mm, fitted with shaft and two bearings and other cross members are in 25 & 20mm MA 'A' Class pipes, bottom ring is made out of 25mm 0 ring size is 1.20 mtrs Dia, fitted with four seats are in mental sats of 250 x 200 x 18SGE, handles are made out of 20mm NB pipes and other supports are in 25mm MS 'N class pipes. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the	No.							
			2				2	28000.00	**56000**
4	pro~Mjng Children Play **Two Seater Swing Duck Equipment:** This swing consist of 2 Nos. FRP Ducks supported by MS chains of Length 1.05mtrs, each duck Is suspended by 3 lines of chains. The chains are supported by circular housings with bearing from which the chain in suspended. The main beam is of 42mm MS 'A' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, the length of the main beam is 2.40 mtrs and height 1.95mtrs. Four footing are in 42mm pipes. All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat 0 protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer in charge of	No.							
			1				1	28000.00	**28000.00**
5	Providing Children Play **Main Wheel Equipment:** Made of MS 'A' class pipes. Main pillars are in 100mm Dia, fitt~d with shaft and two bearings and other cross members are in 25 & 20mm Ms 'A' Class pipes, the bottom ring is made out 0 32mm NB pipes and 1.20 mtrs Dla, the bottom sheet is CR 16SWG.All the pipesare painted with two coats of super set paint over a coat of protectlveZinc chromate yellow oxide including fixing the play equipments In CC 1:2:4, curing etc., complete with all lead, lift, loading,.unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer in charge.of the work..	No							
			1				1	22000.00	**22000**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	Providing Children Play **Standard Slide Equipment**: Made out of M.S. 'A' class plpes:-Main frame are in 25mm and other railings are in 20mm, 1.5mtrs h x 3.00mtrs long x 0.45mtrs width, Sliding surface fitted with S.S. Sheet. All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat 0 protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other Incidental charges and as per the drawing and specification and direction of the Enalneer in charce of the work..	NO.							
			2				2	28000	**56000.00**
							Grand Total		**450051.00**
22	For 10% KRIDL Charges								**45005.00**
23	For 1% Labour Cess								**4501.00**
24	Miscesallaneous Charges	L/S							**443.00**
									500000.00

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Dasarahalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. Five lakhs only

Head of A/C P-3292

Div. Ref. No. 173/17-18 Date 06/02/18

AE EE(BTP) 6/2

TECHNICAL SANCTION

Accorded For Rs. Five lakhs only

Head of A/C P-3292

Div. Ref. No. 60/17-18 Date 06/02/18

AE EE(BTP) 6/2